BBSAG Bulletin 79

1986 April 19

112th List of Minima of Eclipsing Binaries

The following table lists 3 photoelectric (underlined) and 184 visual minima obtained mainly 1985-6 November to April by the observers

FA Francesco Acerbi, Soresina, Italy
MA Maria Andrakakou, Athens, Greece
JBu Jaime Busquets, Valencia, Spain
RD Roger Diethelm, Rodersdorf, Switzerland
RG Robert Germann, Wald, Switzerland
AHe Andreas Hertach, Hinwil, Switzerland
BH Beat Höhener, Wetzikon, Switzerland
MKo Michael Kohl, Uster, Switzerland
KL Kurt Locher, Grüt, Switzerland
TL Thomas Ludescher, Hinwil, Switzerland
SM Salvatore Mammoliti, Reggio Calabria, Italy
DMü David Müller, Pfäffikon, Switzerland
APs Anton Paschke, Rüti, Switzerland
HP Hermann Peter, Otelfingen, Switzerland
JRo Jürg Rosshard, Illnau, Switzerland
PRo Philippe Rousselot, Besançon, France
CSc Christoph Schlumpf, Mönchaltorf, Switzerland

The columns mean

1 current number
2 1950 right ascension hours and minutes
3 1950 declination degrees and tenths
4 star name
5 p for a primary, s for a secondary minimum
6 observed heliocentric Julian date of the minimum, minus 2400000
7 observed minus computed date of the minimum, computed by means of the elements of the GCVS....
....1985 for stars alphabetically prior to PAVO
....1969 otherwise

Exceptions are denoted and have been specified in BBSAG Bulletin 76, page 1, cipher 7

8 number of observations used, systematically weighted only in the case of the observer APs

9 observer, abbreviated as above

Reductions were made mainly using the tracing paper method.

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(footnotes to pages 2 and 3 :)

a elements according to BBSAG 65, 6
b period unknown
c elements according to BBSAG 63, 5
d elements according to BBSAG 68, 6
e observations from 1985 September 23 and October 17 jointly reduced
f observations from 1985 September 16 and October 9 jointly reduced
g elements according to BBSAG 72, 4
h secondary minimum slightly displaced
i elements according to BBSAG 75, 4

1	2	3	4	5	6	7	8	9
23006	2309+528		**RT And**	p	46305.408	+.007	16	APs
23007	2311+459		**TT And**	p	46376.384	-.002	9	HP
23008	0001+326		**TW And**	p	46404.289	-.010	6	MKo
23009	0154+419		**XZ And**	p	46372.279	.000	9	HP
23010				p	46373.636	+.001	7	RG
23011				p	46452.356	-.002	9	KL
23012	0209+444		**GZ And**	s	46478.300	-.003	7	KL
23013	2218-203		**AT Aqr**	p	46415.248	+.023	7	KL
23014	2233-010		**CX Aqr**	p	46298.407	+.004	12	APs
23015				p	46352.334	+.001	8	HP
23016				p	46352.336	+.003	10	APs
23017				p	46372.344	-.005	7	APs
23018				p	46377.353	.000	9	MKo
23019				p	46381.255	+.010	8	HP
23020				p	46401.259	-.001	7	RG
23021				p	46421.280	+.004	6	RG
23022	2320-162		**CZ Aqr**	p	46377.294	-.010	6	MKo
23023				p	46428.197	-.009	8	KL
23024	1848+106		**V479 Aql**	p	46517.621	-.007	6	KL
23025	0201+238		**SS Ari**	s	46403.411	-.061	9	MKo
23026				s	46421.297	-.038	6	RG
23027	0546+317		**RZ Aur**	p	46412.540	+.001	5	KL
23028	0506+294		**CI Aur** neu	p	46376.660	+.025	7	KL
23029	0549+302		**FW Aur**	p	46402.556	-.038	7	KL
23030	0615+497		**HL Aur**	p	46404.399	+.001	7	MKo
23031	0735+762		**Y Cam**	p	46373.360	+.028	6	KL
23032	0631+823		**SV Cam**	p	46422.294	+.005	7	APs
23033	0447+548		**AQ Cam**	p	46405.326	+.014	6	KL
23034	0524+695		**AS Cam**	p	46500.331	+.015	7	RD
23035	0837+200		**RY Cnc**	p	46422.678	+.027	9	KL
23036	0838+234		**EF Cnc**	p	46376.665	+.590[a]	7	KL
23037	0620-227		**RU CMa**	p	46433.527	+.028	6	KL
23038	0630-241		**TU CMa**	p	46435.455	+.006	9	HP

1	2	3	4	5	6	7	8	9
23039	0636-200		**EL CMa** neu	p	46434.566	[b]	6	KL
23040	0751+038		**XZ CMi**	p	46505.331	+.002	10	APs
23041	0738+040		**AK CMi**	p	46461.405	-.001	6	KL
23042				p	46499.312	-.008	9	APs
23043	0244+694		**RZ Cas**	p	45612.326	+.011	24	SM
23044				p	45643.401	+.010	14	SM
23045				p	45649.384	+.017	18	SM
23046				p	46268.508	+.002	19	PRo
23047				p	46512.340	+.005	15	APs
23048	0233+711		**AB Cas**	p	46402.290	+.002	8	MKo
23049				p	46402.293	+.005	9	HP
23050				p	46417.330	+.006	6	HP
23051	0001+574		**EY Cas**	s	46433.394	-.119	6	KL
23052	2347+529		**IV Cas**	p	46327.522	+.013	10	APs
23053				p	46349.482	+.004	10	APs
23054				p	46402.416	+.017	10	MKo
23055				p	46403.407	+.009	8	MKo
23056				p	46416.381	+.003	8	HP
23057	0111+487		**V389 Cas**	p	46402.418	+.010	8	MKo
23058	0037+500		**V523 Cas**	s	46402.287	+.010	7	MKo
23059				p	46403.332	+.003	6	MKo
23060	0058+816		**U Cep**	p	46421.391	+.030	12	RG
23061	2038+754		**VW Cep**	s	46260.515	+.018	18	PRo
23062				s	46270.515	-.001	15	PRo
23063				p	46286.493	-.027	69	FA
23064				s	46287.459	-.035	54	FA
23065	2157+607		**DK Cep**	p	46405.400	+.026	6	KL
23066	2128+650		**GI Cep**	p	46376.408	-.002	5	HP
23067				p	46401.263	-.051	6	RG
23068	0221+809		**V358 Cep**	p	46401.317	+.309[c]	8	KL
23069				s	46517.374	+.318[c]	8	KL
23070	0144-100		**TT Cet**	p	46327.541	-.015	11	APs
23071				p	46350.382	-.014	15	APs
23072				p	46401.402	-.020	9	APs
23073				p	46402.371	-.022	12	APs
23074				p	46403.344	-.021	26	APs
23075	0147-211		**TW Cet**	s	46430.194	+.003	6	KL
23076				s	46434.298	-.012	9	RG

1	2	3	4	5	6	7	8	9
23077	0157-232		AA Cet	p	46427.180	.000	8	KL
23078				p	46428.252	-.001	6	KL
23079	1249+275		EK Com new		46505.442	[b]	6	KL
23080	1205-129		W Crv	p	46402.701	.000	7	KL
23081				p	46423.655	-.002	6	KL
23082				p	46497.382	-.010	5	TL
23083				p	46497.385	-.007	5	AHe
23084				p	46497.395	+.002	5	KL
23085	1156-609		AE Cru new	p	46443.77	-.04	9	APs
23086	2050+354		Y Cyg	p	46329.378	+.091	34	JBu
23087	2104+456		VV Cyg	p	46405.309	-.011	6	KL
23088	2111+305		AE Cyg	p	46377.299	+.012	8	RG
23089	1939+467		BR Cyg	p	46403.316	-.009	7	MKo
23090	2114+373		V387 Cyg	p	46451.289	-.004	7	HP
23091	1924+299		V687 Cyg	p	46376.372	-.003	9	HP
23092	2041+383		V1788 Cyg		46376.3	-.3 [d]	5	KL
23093	2035+181		W Del	p	46356.373	-.020[e]	14	APs
23094	2034+083		TT Del	p	46372.245	-.008	5	KL
23095	2102+130		TY Del	p	46330.355	+.021	9	APs
23096	2043+110		AV Del	p	46348.386	+.005[f]	14	APs
23097	1143+725		Z Dra	p	46403.316	-.018	7	MKo
23098	1822+589		RZ Dra	p	46372.250	+.013	7	HP
23099	1655+528		AI Dra	p	46329.429	+.006	35	JBu
23100	1922+698		NSV 11987	p	46412.337	-.719[g]	5	KL
23101			Dra	p	46434.419	-.741[g]	11	KL
23102				p	46451.607	-.745[g]	6	KL
23103	2055+049		S Equ	p	46328.365	+.020	19	APs
23104				p	46352.413	+.016	13	APs
23105				p	46359.285	+.015	12	APs
23106	0419-061		TZ Eri	p	46435.452	+.030	11	HP
23107	0558+231		RW Gem	p	46404.579	-.007	8	KL
23108	0733+170		TX Gem	p	46451.347	+.002	5	KL

1	2	3	4	5	6	7	8	9
23109	0609+235		WW Gem	s	46500.374	+.018[h]	7	RD
23110	1738+330		SZ Her	p	46366.272	-.028	7	RG
23111	0825+056		DE Hya	p	46402.630	+.017	6	KL
23112	2239+381		VX Lac	p	46352.300	-.001	7	HP
23113	2250+385		V364 Lac	p	46352.505	+.035	17	PRo
23114	0934+265		Y Leo	p	46451.476	-.008	6	KL
23115				p	46500.378	-.004	6	KL
23116	1034+145		UV Leo	p	46497.459	-.006	9	APs
23117	0959+177		XY Leo	p	46506.332	-.007	12	APs
23118	0960+173		XZ Leo	s	46506.364	-.016	12	APs
23119	1143+250		BL Leo	s	46421.681	+.004	7	KL
23120				p	46451.706	+.004	6	KL
23121	0946+335		T LMi	p	46475.484	+.017	6	KL
23122	0900+383		UV Lyn	p	46500.3732	+.0070	8	RD
23123	1814+411		TZ Lyr	p	46352.369	+.028	10	HP
23124	1916+329		BV Lyr	p	46517.612	+.013	7	KL
23125	0632+089		RW Mon	p	46451.281	+.002	9	HP
23126	0626+052		TV Mon	p	46478.370	+.014	7	KL
23127	0702-024		GH Mon	p	46402.622	-.032	6	KL
23128				p	46519.301	-.039	5	KL
23129	0700+003		HM Mon	p	46404.623	-.003	7	KL
23130	0636+036		V396 Mon	p	46412.451	+.003	5	KL
23131	0656+023		V524 Mon new	s	46402.480	+.016	6	KL new
23132	0750-012		NSV 3772 Mon new	p	46478.454	-.051[i]	4	KL new
23133	1754+050		V566 Oph	p	46260.485	+.040	24	PRo
23134	1647-156		V1010 Oph	p	45887.385	+.012	15	SM
23135	0608+163		EG Ori new	p	46376.607	-.040	19	APs
23136	0455-037		EQ Ori	p	46402.424	-.027	6	MKo
23137				p	46402.430	-.022	6	KL
23138				p	46416.397	-.023	10	HP

1	2	3	4	5	6	7		8	9	
23139	2327+133	TY	Peg	p	46404.297	-.039		6	MKo	
23140	2126+048	BN	Peg	p	46381.226	-.276		9	HP	
23141	2205+059	DO	Peg	p	46377.312	+.205		15	APs	
23142				p	46377.328	+.221		9	MKo	
23143	0320+464	RT	Per	p	46403.322	-.076		11	MKo	
23144	0407+341	RV	Per	p	46402.420	+.027		7	MKo	
23145				p	46404.387	+.021		10	MKo	
23146	0406+464	XZ	Per	p	46377.348	+.009		10	MKo	
23147				p	46416.509	+.015		9	HP	
23148	0256+437	IU	Per	p	46349.353	+.093		8	MKo	
23149				p	46373.337	+.080		11	APs	
23150				p	46403.329	+.077		11	MKo	
23151	0157+530	KW	Per	p	46373.359	+.051		7	HP	
23152	0305+408	ß	Per	p	46421.426	-.172		11	RG	
23153	2332+076	Y	Psc	p	46373.304	+.136		6	KL	
23154	0055+120	SX	Psc	p	46352.369	-.039		11	HP	
23155				p	46352.373	-.035		13	APs	
23156				p	46381.279	-.035		10	HP	
23157	0114+065	UV	Psc	p	46413.298	+.021		6	RG	
23158	0850-273	RZ	Pyx	p	46523.332	+.220		6	KL	
23159	1917+195	U	Sge	p	46298.391	+.004		15	APs	
23160				p	46308.518	-.011		21	APs	
23161				p	46325.434	+.002		14	APs	
23162				p	46359.235	-.003		14	APs	
23163	2010+192	UZ	Sge	p	46373.242	+.039		6	KL	
23164	1846-103	RS	Sct	p	46270.466	+.013		15	APs	
23165	1534+190	LX	Ser	p	46497.612	+.043	*	10	DMü	*elements accord-
23166				p	46497.612	+.043	*	10	KL	ing to IAUC 3466
23167				p	46497.613	+.044	*	10	CSc	
23168				p	46497.613	+.044	*	11	JRo	
23169	0401+280	RW	Tau	p	46373.637	-.106		8	RG	
23170				p	46376.416	-.096		10	APs	
23171				p	46376.416	-.097		5	MKo	
23172				p	46401.322	-.110		6	MA	
23173				p	46401.327	-.105		6	KL	
23174				p	46401.334	-.102		10	APs	
23175	0549+281	SV	Tau	p	46376.395	-.040		7	MKo	
23176				p	46402.407	-.031		11	MKo	
23177	0435+016	AC	Tau	p	46433.506	+.072		6	KL	
23178	0344+250	AH	Tau	p	46413.287	-.046		6	RG	
23179	0345+222	EQ	Tau	p	46373.642	+.001	*	6	RG	*elements accord-
23180				p	46416.299	-.005	*	6	RG	ing to GCVS 1976
23181	0526+287	ES	Tau	p	46497.392	-.003	*	6	CSc	*elements accord-
23182				p	46497.393	-.002	*	6	JRo	ing to BBSAG 58,
23183				p	46497.394	-.002	*	6	DMü	5
23184				p	46497.395	-.001	*	6	BH	
23185	0158+276	X	Tri	p	46372.346	-.046		8	APs	
23186				p	46373.317	-.047		9	HP	
23187				p	46402.463	-.047		8	MKo	
23188				p	46403.424	-.058		9	MKo	
23189	1335+522	UX	UMa	p	46421.683	+.002		5	KL	
23190	0852+652	AC	UMa	p	46415.254	+.371		5	KL	
23191	1504+869	RZ	UMi	p	46452.422	-.036	*	4	KL	*elements accord-
										ing to ¶.3. ¶. 4,
										169 (1982)
23192	2033+225	AY	Vul	p	46352.305	+.055		11	HP	